Bruhath Bangalore Mahanagara Palike

Negotiated Financial Bid Comparative Statement

Tender Notification No.RRND/EE/Tend/13/2019-20, Date: 21.01.2020

Indet No: BBMP/2019-20/RD/WORK_INDENT40178

Name of Work: Comprehensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding areas in Ward No.17 under PACKAGE- 2019-20 RRN-DIV-(10).

Sl No	Item Name	Unit	Estimate Quantity	As per Sanctioned Estimate Rate (PWD SR 2018-19 B'lore Circle.)		As per PWD SR 2018-19 and Issue Rate Dated: 04.01.2020		Rates quoted by RAJU C T		Negotiated rates quoted by RAJU C T	
				Estimate Rate	Total Amount in Rs	Estimate Rate	Total Amount in Rs	Rate	Total Amount in Rs	Rate	Total Amount in Rs
1	Removing and Refixing stone slabs of drains and pointing in CM(1:3)Complete as per the direction of Engineer in charge with all lead	Sqm	16567.87	111.30	1844003.93	111.30	1844003.93	111.3	1844003.93	110.00	1822465.70
2	Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m ,	Cum	9194.29	235.76	2167645.81	235.76	2167645.81	235.76	2167645.81	230.00	2114686.70
3	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and	Cum	21.73	4479.56	97340.84	4479.56	97340.84	4479.56	97340.84	4450.00	96698.50
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with	Cum	61.56	7070.20	435241.51	7070.20	435241.51	7070.2	435241.51	7000.00	430920.00
5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping	tonne	4.92	72326.98	355848.74	72326.98	355848.74	72326.98	355848.74	72300.00	355716.00
6	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement	Sqm	4879.20	966.72	4716820.22	966.72	4716820.22	966.72	4716820.22	950.00	4635240.00
7	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely	Sqm	19289.40	150.52	2903440.49	150.52	2903440.49	150.52	2903440.49	140.00	2700516.00
8	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite	Cum	964.47	5599.98	5401012.71	5599.98	5401012.71	5599.98	5401012.71	5550.00	5352808.50
9	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including	Sqm	5522.62	966.72	5338827.21	966.72	5338827.21	966.72	5338827.21	960.00	5301715.20
10	Providing one line dressing to granite stone slab / granite stone masonry as per specifications .Complete as per the direction	Sqm	5522.62	950.82	5251017.55	950.82	5251017.55	950.82	5251017.55	950.00	5246489.00
11	Providing chamfering edges to stone slab 2.5 cms thick as per specifications chamfered			61.48	1584413.38	61.48	1584413.38	61.48	1584413.38	60.00	1540272.00

5	4.92	adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of	tonne	72300.00	Rupees Seventy Two Thousand	

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12	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation,	Sqm	120.70	5418.00	653952.60	5418.00	653952.60	5418.0	653952.60	5400.00	651780.00
13	Removing and resetting of Kerb stones Complete as per the direction of Engineer in charge with all lead and lift	M	13965.70	104.94	1465560.56	104.94	1465560.56	104.94	1465560.56	100.00	1396570.00
14	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3	nos	13301.00	467.46	6217685.46	467.46	6217685.46	467.46	6217685.46	460.00	6118460.00
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with	Sqm	7980.40	84.80	676737.92	84.80	676737.92	84.8	676737.92	84.00	670353.60
16	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in	Cum	350.76	454.36	159371.31	454.36	159371.31	454.36	159371.31	450.00	157842.00
17	Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in	Cum	3734.28	84.42	315247.92	84.42	315247.92	84.42	315247.92	84.00	313679.52
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of	Cum	1691.76	1994.92	3374925.86	1994.92	3374925.86	1994.92	3374925.86	1990.00	3366602.40
19	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications	Cum	2056.20	2001.28	4115031.94	2001.28	4115031.94	2155.0	4431111.00	2150.00	4420830.00
20	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including	Sqm	8940.00	29.68	265339.20	28.62	255862.80	29.68	265339.20	28.00	250320.00
21	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air	Sqm	49378.90	5.30	261708.17	5.30	261708.17	5.3	261708.17	5.00	246894.50
22	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm,	Sqm	107697.80	12.72	1369916.02	12.72	1369916.02	12.72	1369916.02	12.00	1292373.60
23	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed	Cum	2915.94	6858.20	19998099.71	6597.44	19237739.19	8000.0	23327520.00	7000.00	20411580.00
24	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and	Cum	2332.76	7911.84	18456423.88	7590.66	17707188.02	9000.0	20994840.00	8000.00	18662080.00
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of	Sqm	3897.75	454.74	1772462.84	454.74	1772462.84	550.0	2143762.50	545.00	2124273.75
26	Road markers / Road stud Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt	nos	6929.00	357.22	2475177.38	357.22	2475177.38	430.0	2979470.00	400.00	2771600.00
27	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal	Cum	350.76	3884.90	1362667.52	3884.90	1362667.52	4600.0	1613496.00	4600.00	1613496.00

5	4.92	adjoining members wherever necessary ... and anchoring to the per disign (lang...	

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28	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete	Cum	400.00	5210.96	**2084384.00**	5210.96	**2084384.00**	6000.0	**2400000.00**	5002.00	**2000800.00**
29	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of	Sqm	2000.00	72.08	**144160.00**	72.08	**144160.00**	72.08	**144160.00**	72.02	**144040.00**
	Total Summary Amount				**95264464.66**		**93745391.89**		**102890416.90**		**95217109.00**
	% when compared to PWD SR 2018-19 (Sanctioned Estimate Rates)								**8.01**		**1.00**

Executive Engineer
Rajarajeshwari nagar Division
BBMP

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5	4.92	adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of	tonne	72300.00	Three H

BRUHATH BANGALORE MAHANAGARA PALIKE
RR Nagara DIVISION, RAJARAJESHWARI NAGAR ZONE

FINANCIAL BID PROPOSAL

Of CMNNY Grants RR Nagara Zone

No of Works (3)

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TENDER DETAILS

Tender Notification No: RRND/EE/Tend/13/2019-20,

Tender Notification Dated: 21.01.2020

Project Cost: Rs.1100.00 Lakhs

Amount put to Tender:-Rs. 948.38Lakhs

Tender financial Open Date:17.04.2020

SR Used for Preparation of Estimates: PWD 2018-19 SR with issue rates and Data Rates(Approved by competent authority)

Bid Document used:KTPP KW-4 Standard Tender Document

Eprocurement Indent No: BBMP/2019-20/RD/WORK_INDENT40176

Name of the work: Comprehensive Development of Roads and drains in Ward No.17 Rajarajeshwarinagara Assembly Consituency under PACKAGE- 2019-20 RRN-DIV-(03).

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Financial Comparative Statement 38264

1	H.B.Rajendra	9,48,38,495.82	10,24,24,936.86	8.00% Above	L-1	9,95,69,633 (+4.99%)	9,95,69,633 (+6.36%)
2	R.Lokesh		10,52,01,798.23	10.93% Above	L-2		

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TENDER DETAILS

Tender Notification No: RRND/EE/Tend/13/2019-20,

Tender Notification Dated: 21.01.2020

Project Cost: Rs.1500.00 Lakhs

Amount put to Tender:-Rs. 1299.05Lakhs

Tender financial Open Date:17.04.2020

SR Used for Preparation of Estimates: PWD 2018-19 SR with issue rates and Da
Rates(Approved by competent authority)

Bid Document used:KTPP KW-4 Standard Tender Document

Eprocurement Indent No: BBMP/2019-20/RD/WORK_INDENT40177

Name of the work: Comprhensive Development of Roads & Drains in Muthyalanagara,
4A, Mohankumar Nagar, Sundara Nagar and Surrounding areas in W No.17 under PACK
2019-20 RRN-DIV-(09).

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Financial Comparative Statement 38264

1	Raju.C.T	9,52,64,464.66	10,28,90,416.90	8.01% Above	L-1	10.00,17,957 (+4.99%)	10.00,17,957 (+6.69%)
2	R.Lokesh		10,56,19,035.67	10.87% Above	L-2	-	-

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Bruhath Bangalore Mahanagara Palike

Negotiated Financial Bid Comparative Statement

Tender Notification No.RRND/EE/Tend/13/2019-20, Date: 21.01.2020

Indet No: BBMP/2019-20/RD/WORK_INDENT40178

Name of Work: Comprehensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding areas in Ward No.17 under PACKAGE- 2019-20 RRN-DIV-(10).

Sl No	Item Name	Unit	Estimate Quantity	As per Sanctioned Estimate Rate (PWD SR 2018-19 B'lore Circle.)		As per PWD SR 2018-19 and Issue Rate Dated: 04.01.2020		Rates quoted by RAJU C T		Negotiated rates quoted by RAJU C T	
				Estimate Rate	Total Amount in Rs	Estimate Rate	Total Amount in Rs	Rate	Total Amount in Rs	Rate	Total Amount in Rs
1	Removing and Refixing stone slabs of drains and pointing in CM(1:3)Complete as per the direction of Engineer in charge with all lead	Sqm	16567.87	111.30	**1844003.93**	111.30	**1844003.93**	111.3	**1844003.93**	111.00	**1839033.57**
2	Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m ,	Cum	9194.29	235.76	**2167645.81**	235.76	**2167645.81**	235.76	**2167645.81**	235.00	**2160658.15**
3	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and	Cum	21.73	4479.56	**97340.84**	4479.56	**97340.84**	4479.56	**97340.84**	4470.00	**97133.10**
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with	Cum	61.56	7070.20	**435241.51**	7070.20	**435241.51**	7070.2	**435241.51**	7000.00	**430920.00**
5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping	tonne	4.92	72326.98	**355848.74**	72326.98	**355848.74**	72326.98	**355848.74**	72000.00	**354240.00**
6	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement	Sqm	4879.20	966.72	**4716820.22**	966.72	**4716820.22**	966.72	**4716820.22**	950.00	**4635240.00**
7	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely	Sqm	19289.40	150.52	**2903440.49**	150.52	**2903440.49**	150.52	**2903440.49**	150.00	**2893410.00**
8	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite	Cum	964.47	5599.98	**5401012.71**	5599.98	**5401012.71**	5599.98	**5401012.71**	5500.00	**5304585.00**
9	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including	Sqm	5522.62	966.72	**5338827.21**	966.72	**5338827.21**	966.72	**5338827.21**	950.00	**5246489.00**
10	Providing one line dressing to granite stone slab / granite stone masonry as per specifications .Complete as per the direction	Sqm	5522.62	950.82	**5251017.55**	950.82	**5251017.55**	950.82	**5251017.55**	950.00	**5246489.00**
11	Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded)	Sqm	25771.20	61.48	**1584413.38**	61.48	**1584413.38**	61.48	**1584413.38**	61.00	**1572043.20**

vijaynagar,

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12	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation,	Sqm	120.70	5418.00	653952.60	5418.00	653952.60	5418.0	653952.60	5400.00	651780.00
13	Removing and resetting of Kerb stones Complete as per the direction of Engineer in charge with all lead and lift	M	13965.70	104.94	1465560.56	104.94	1465560.56	104.94	1465560.56	100.00	1396570.00
14	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3	nos	13301.00	467.46	6217685.46	467.46	6217685.46	467.46	6217685.46	460.00	6118460.00
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with	Sqm	7980.40	84.80	676737.92	84.80	676737.92	84.8	676737.92	84.00	670353.60
16	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in	Cum	350.76	454.36	159371.31	454.36	159371.31	454.36	159371.31	450.00	157842.00
17	Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in	Cum	3734.28	84.42	315247.92	84.42	315247.92	84.42	315247.92	84.00	313679.52
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of	Cum	1691.76	1994.92	3374925.86	1994.92	3374925.86	1994.92	3374925.86	1900.00	3214344.00
19	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications	Cum	2056.20	2001.28	4115031.94	2001.28	4115031.94	2155.0	4431111.00	2100.00	4318020.00
20	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including	Sqm	8940.00	29.68	265339.20	28.62	255862.80	29.68	265339.20	29.00	259260.00
21	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air	Sqm	49378.90	5.30	261708.17	5.30	261708.17	5.3	261708.17	5.00	246894.50
22	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm,	Sqm	107697.80	12.72	1369916.02	12.72	1369916.02	12.72	1369916.02	12.00	1292373.60
23	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed	Cum	2915.94	6858.20	19998099.71	6597.44	19237739.19	8000.0	23327520.00	7890.00	23006766.60
24	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and	Cum	2332.76	7911.84	18456423.88	7590.66	17707188.02	9000.0	20994840.00	8700.00	20295012.00
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of	Sqm	3897.75	454.74	1772462.84	454.74	1772462.84	550.0	2143762.50	480.00	1870920.00
26	Road markers / Road stud Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt	nos	6929.00	357.22	2475177.38	357.22	2475177.38	430.0	2979470.00	400.00	2771600.00
27	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal	Cum	350.76	3884.90	1362667.52	3884.90	1362667.52	4600.0	1613496.00	4000.00	1403040.00

Vijaynagar,
Bengaluru-40

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28	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete	Cum	400.00	5210.96	**2084384.00**	5210.96	**2084384.00**	6000.0	**2400000.00**	5267.00	**2106800.00**
29	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of	Sqm	2000.00	72.08	**144160.00**	72.08	**144160.00**	72.08	**144160.00**	72.00	**144000.00**
	Total Summary Amount				**95264464.66**		**93745391.89**		**102890416.90**		**100017956.84**
	% when compared to PWD SR 2018-19 (Sanctioned Estimate Rates)								**8.01**		**4.99**
	% when compared to PWD SR 2018-19 and Issue rates dated 04.01.2020								**9.76**		**6.69**
	Remarks								**L1**		**L2**

380

Executive Engineer
Rajarajeshwari nagar Division
BBMP

Vijaynagar,

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Bruhath Bangalore Mahanagara Palike

Financial Bid Comparative Statement

Tender Notification No.RRND/EE/Tend/13/2019-20, Date: 21.01.2020

Indet No: BBMP/2019-20/RD/WORK_INDENT40178

Name of Work: Comprehensive development of roads, drains and footpath in HMT Layout, SBM Colony and Surrounding areas in Ward No.17 under PACKAGE- 2019-20 RRN-DIV-(10).

Sl No	Item Name	Unit	Estimate Quantity	As per Sanctioned Estimate Rate (PWD SR 2018-19 B'lore Circle.)		As.per PWD SR 2018-19 and Issue Rate Dated: 04.01.2020		Rates quoted by RAJU C T		Rates quoted by R LOKESH (RAMAIAH LOKESH)	
				Estimate Rate	Total Amount in Rs	Estimate Rate	Total Amount in Rs	Rate	Total Amount in Rs	Rate	Total Amount in Rs
1	Removing and Refixing stone slabs of drains and pointing in CM(1:3)Complete as per the direction of Engineer in charge with all lead	Sqm	16567.87	111.30	**1844003.93**	111.30	**1844003.93**	111.3	**1844003.93**	123.0	**2037848.01**
2	Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m ,	Cum	9194.29	235.76	**2167645.81**	235.76	**2167645.81**	235.76	**2167645.81**	261.0	**2399709.69**
3	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and	Cum	21.73	4479.56	**97340.84**	4479.56	**97340.84**	4479.56	**97340.84**	4972.0	**108041.56**
4	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with	Cum	61.56	7070.20	**435241.51**	7070.20	**435241.51**	7070.2	**435241.51**	7847.0	**483061.32**
5	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping	tonne	4.92	72326.98	**355848.74**	72326.98	**355848.74**	72326.98	**355848.74**	80282.0	**394987.44**
6	Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement	Sqm	4879.20	966.72	**4716820.22**	966.72	**4716820.22**	966.72	**4716820.22**	1073.0	**5235381.60**
7	Providing ruled pointing to coursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely	Sqm	19289.40	150.52	**2903440.49**	150.52	**2903440.49**	150.52	**2903440.49**	167.0	**3221329.80**
8	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite	Cum	964.47	5599.98	**5401012.71**	5599.98	**5401012.71**	5599.98	**5401012.71**	6215.0	**5994181.05**
9	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including	Sqm	5522.62	966.72	**5338827.21**	966.72	**5338827.21**	966.72	**5338827.21**	1073.0	**5925771.26**
10	Providing one line dressing to granite stone slab / granite stone masonry as per	Sqm	5522.62	950.82	**5251017.55**	950.82	**5251017.55**	950.82	**5251017.55**	1055.0	**5826364.10**
11	Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded)	Sqm	25771.20	61.48	**1584413.38**	61.48	**1584413.38**	61.48	**1584413.38**	68.0	**1752441.60**

10 Providing one line dressing to granite stone slab / granite stone masonry as per

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12	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation,	Sqm	120.70	5418.00	653952.60	5418.00	653952.60	5418.0	653952.60	6013.0	725769.10
13	Removing and resetting of Kerb stones Complete as per the direction of Engineer in charge with all lead and lift	M	13965.70	104.94	1465560.56	104.94	1465560.56	104.94	1465560.56	116.0	1620021.20
14	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3	nos	13301.00	467.46	6217685.46	467.46	6217685.46	467.46	6217685.46	518.0	6889918.00
15	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with	Sqm	7980.40	84.80	676737.92	84.80	676737.92	84.8	676737.92	94.0	750157.60
16	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in	Cum	350.76	454.36	159371.31	454.36	159371.31	454.36	159371.31	504.0	176783.04
17	Excavation for roadwork in all types of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in	Cum	3734.28	84.42	315247.92	84.42	315247.92	84.42	315247.92	93.0	347288.04
18	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of	Cum	1691.76	1994.92	3374925.86	1994.92	3374925.86	1994.92	3374925.86	2214.0	3745556.64
19	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications	Cum	2056.20	2001.28	4115031.94	2001.28	4115031.94	2155.0	4431111.00	2221.0	4566820.20
20	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM ,including	Sqm	8940.00	29.68	265339.20	28.62	255862.80	29.68	265339.20	32.0	286080.00
21	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air	Sqm	49378.90	5.30	261708.17	5.30	261708.17	5.3	261708.17	5.0	246894.50
22	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm,	Sqm	107697.80	12.72	1369916.02	12.72	1369916.02	12.72	1369916.02	14.0	1507769.20
23	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed	Cum	2915.94	6858.20	19998099.71	6597.44	19237739.13	8000.0	23327520.00	7612.0	22196135.28
24	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and	Cum	2332.76	7911.84	18456423.88	7590.66	17707188.02	9000.0	20994840.00	8782.0	20486298.32
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of	Sqm	3897.75	454.74	1772462.84	454.74	1772462.84	550.0	2143762.50	504.0	1964466.00
26	Road markers / Road stud Providing and fixing of road stud 100x 100 mm, diecast in aluminium, resistant to corrosive effect of salt	nos	6929.00	357.22	2475177.38	357.22	2475177.38	430.0	2979470.00	396.0	2743884.00
27	Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal	Cum	350.76	3884.90	1362667.52	3884.90	1362667.52	4600.0	1613496.00	4312.0	1512477.12

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28	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete	Cum	400.00	5210.96	2084384.00	5210.96	2084384.00	6000.0	2400000.00	5784.0	2313600.00
29	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of	Sqm	2000.00	72.08	144160.00	72.08	144160.00	72.08	144160.00	60.0	180000.00
	Total Summary Amount				**95264464.66**		**93745391.89**		10289041 6.90		105619035.57
	% when compared to PWD SR 2018-19 (Sanctioned Estimate Rates)								8.01		10.87
	% when compared to PWD SR 2018-19 and Issue rates dated 04.01.2020								9.76		12.67
	Remarks								L1		L2

Executive Engineer
Rajarajeshwari nagar Division
BBMP

10 Providing one line dressing to granite stone slab / granite stone [illegible] specifications .Complete as per the direction of Engineer In charge with all lead and lift

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